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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 18501.8102-2026

Connectors for electrical and electronic equipment - Product requirements - Part 8-102: Power connectors - Detail specification for 2-pole or 3-pole power plus 2-pole signal shielded and sealed connectors with plastic housing for rated current of 150 A

电子和电气设备用连接器 产品要求 第8-102部分：电源连接器 2芯、3芯150 A功率加2芯信号塑料外壳屏蔽密封连接器详细规范

(English Translation)

Issued on: September 28, 2026

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

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https://chinastandards.org/standards/gb-t-18501-8102-2026

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1 Foreword

GB/T 18501.8102-2026 was issued by State Administration for Market Regulation; Standardization Administration of the PRC on 28 September 2026.

It is one of 9 parts of the GB/T 18501 series.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

GB/T 18501.8102-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 75,626 other GB/T standards.

Of the 47,415 GB/T standards that do carry an ICS number, 3,437 (7%) fall under ICS 77, in the field of metallurgy.

3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of the PRC

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

GB/T 18501.1-2001 - Connectors with assessed quality, for use in d.c., low frequency

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analogue and in digital high-speed data applications -- Part 1: Generic specification

GB/T 18501.2-2001 - Connectors for use in d.c., low-frequency analogue and digital high-speed data applications -- Part 2: Circular connectors with assessed quality -- Sectional specification

GB/T 18501.8100-2025 - Part 8-100: Power connectors - Detail specification for 2-pole or 3-pole power plus 2-pole signal shielded and sealed connectors with plastic housing for rated current of 20 A

GB/T 18501.8101-2025 - Part 8-101: Power connectors - Detail specification for 2-pole or 3-pole power plus 2-pole signal shielded and sealed connectors with plastic housing for rated current of 40 A

GB/T 18501.8105-2026 - Part 8-105: Power connectors - Detail specification for 2-pole snap locking rectangular power connectors with plastic housing for 63A rated current and 400V rated voltage

GB/T 18501.8107-2026 - Part 8-107: Power connectors - Detail specification for 2P 200 A, 1 000 V power plus 2P 5 A, 50 V signal rectangular housing shielded connectors with IP65/IP68 degree of protection when

GB/T 18501.8108-2026 - Part 8-108: Power connectors - Detail specification for 2P 250 A,1 000 V power plus 2P 5 A, 50 V signal rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated

GB/T 18501.8109-2026 - Connectors for electrical and electronic equipment-Product requirements-Part 8-109: Power connectors-Detail specification for 2P 130 A, 1 000 V power plus 2P 5 A, 50 V signal rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated

5 Classification and status

Prefix GB/T: recommended standard.

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